

CD147 Rabbit pAb
Catalog # AP53526**Specification**

CD147 Rabbit pAb - Product Information

Application	WB, IHC, FC, IP
Primary Accession	P18572
Host	Rabbit
Clonality	Polyclonal Antibody
Calculated MW	42445

CD147 Rabbit pAb - Additional Information**Gene ID** 12215**Other Names**

Basigin, Basic immunoglobulin superfamily, HT7 antigen, Membrane glycoprotein gp42, CD147, Bsg

DilutionWB~~1:1000
IHC~~1:100~500
FC~~1:10~50
IP~~N/A**Format**

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

CD147 Rabbit pAb - Protein Information**Name** Bsg**Function**

[Isoform 1]: Essential for normal retinal maturation and development (PubMed:10967074, PubMed:11273674, PubMed:11853760). Acts as a retinal cell surface receptor for NXNL1 and plays an important role in NXNL1-mediated survival of retinal cone photoreceptors (PubMed:25957687). In association with glucose transporter SLC16A1/GLUT1 and NXNL1, promotes retinal cone survival by enhancing aerobic glycolysis and accelerating the entry of glucose into photoreceptors (PubMed:25957687).

Cellular Location

[Isoform 1]: Cell membrane; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P26453}. Photoreceptor inner segment. Cell projection, cilium, photoreceptor outer segment

Tissue Location

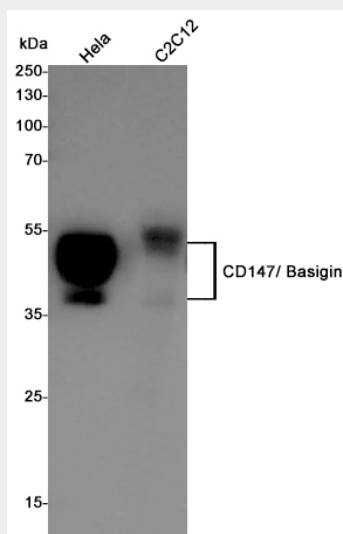
[Isoform 1]: Retina-specific (PubMed:11273674, PubMed:11853760, PubMed:12939332, PubMed:25957687). Expressed in both rods and cones (at protein level) (PubMed:25957687)

CD147 Rabbit pAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD147 Rabbit pAb - Images



Western blot detection of CD147/ Basigin in HeLa,C2C12 cell lysates using CD147/ Basigin Rabbit pAb(1:1000 diluted).Predicted band size:42KDa.Observed band size:38-58KDa.